

What is claimed is:

1. A piston seal which fluid-tightly and slidably maintains a piston in a cylinder bore, the piston sliding inside the cylinder bore,

5 wherein the piston seal is formed of a rubber composition in which at least 100 parts by weight or more of carbon black is added to 100 parts by weight of ethylene propylene rubber.

10 2. The piston seal according to claim 1, wherein the carbon black has an average particle diameter of 40 nm to 500 nm.

3. The piston seal according to claim 1, wherein the carbon black has a nitrogen adsorption specific surface area of 70 m²/g or less.

15 4. The piston seal according to claim 1, wherein the rubber composition has a coefficient of linear expansion of 1.6×10^{-4} (/K) or less.

20 5. The piston seal according to claim 1, wherein the rubber composition has a dynamic modulus of elasticity of 12 MPa or more both at 10 Hz and 30°C, and at 10 Hz and 150°C.

25 6. The piston seal according to claim 1, wherein the rubber composition has a rate of change in dynamic modulus of elasticity caused by an increase in temperature from 30°C to 150°C within $\pm 25\%$.

7. The piston seal according to claim 1, being used for a caliper body for a disc brake.

8. A disc brake comprising:

the piston seal as defined in any one of claims 1 to 7;

a cylinder having a cylinder bore; and

5 a piston which is inserted into the cylinder bore,

wherein the piston seal is fitted into a ring-shaped groove formed in an inner surface of the cylinder bore, and

wherein the piston inserted into the cylinder bore is fluid-tightly and movably in contact with the cylinder, and the piston that has been moved forward by applying

10 hydraulic pressure is rolled back.